

## ELECTROPROCESSED FIBRIN-BASED MATRICES AND TISSUES

### Abstract

5           The invention is directed to formation and use of electroprocessed fibrin as an  
extracellular matrix and, together with cells, its use in forming engineered tissue. The  
engineered tissue can include the synthetic manufacture of specific organs or tissues which  
may be implanted into a recipient. The electroprocessed fibrin may also be combined with  
10   other molecules in order to deliver the molecules to the site of application or implantation of  
the electroprocessed fibrin. The fibrin or fibrin/cell suspension is electrodeposited onto a  
substrate to form the tissues and organs.

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